

EXPANDING THE FEDERAL PLASTIC BAN:

A BY-LAW PROPOSAL FOR MUNICIPALITIES

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ABOUT

The Canadian Single Use Plastics Regulation needs to grow beyond its current list of targeted plastics. Municipalities have already begun to expand on this list and make changes to their by-laws that would greatly improve plastic reduction efforts and minimize waste in landfills. Brampton does not currently have a by-law directed towards single use plastics to the extent this presentation suggests.

471 Main St, S,
Brampton

PROBLEM

RECYCLING MYTH

Only 9% of plastic waste has been recycled in Canada since 1950.

COSTS

86% of plastic waste goes to landfills, representing a loss of nearly \$8b, and expected to increase to \$11b by 2030.

MARKET IMPACT

4.5m tonnes of plastic enter the Canadian market annually. 125kg p/p. Canada is the largest per capita waste generator among developed countries.

CUSTOMERS

Sustainable public procurement can play a crucial role in advancing sustainable development in the Waste Sector.

TARGETABILITY

Townships should target plastics that are more dangerous to human health and the environment due to their chemical compositions and the hazardous chemical additives that they contain.

Data derived from the International Institute for Sustainable Development (IISD) and Environmental Defense Canada



SOLUTION

CLOSE THE GAP

Influence purchasing behaviour through by-law enforcement, towards more sustainable alternatives, creating safer more efficient management of community waste facilities.

COST SAVINGS

Consider the costs associated with recovery and disposal of residual materials generated by these products.

GO BEYOND

The Federal Government has offered the bare minimum. Expand on the plastics challenge to further benefit the community.

ENFORCEMENT

Enforce alternative methods where **readily available** and levy fines towards uncooperative businesses that go towards development of sustainable practices.

PRECEDENCE



These 3 Quebec Towns have taken it upon themselves to improve on Federal guidelines regarding plastic reduction. They have reduced material waste and ensured the safe management of facilities. Asking producers and distributors to consider the effects of their products on the environment and costs to the town associated with recovery and disposal of the materials they create.

[Terrebonne-Mascouche](#)

[Prevost By-Law
\(French\)](#)

“To choose the relevant items to ban in our municipalities, we have done our homework, and we know that for all the single-use objects that will be banned from 2023, there are **realistic and accessible replacement solutions** for the merchant and for the consumer...”

The purpose of this by-law is to reduce the quantity of containers, and other single or individual use products to be disposed of once they become residual materials by acting on their marketing and encouraging merchants to consider the effects of the sale or supply of containers, and other products for single or individual use on the environment and the costs associated with the management of residual materials generated.

- Prevost By-Law 779



Some Targeted Containers:

- Containers of 4L or less of windshield washer fluid for vehicles
- Bottles and containers of water made of plastic, multi-layer cardboard...or non-returnable under 750mm
- Single uses glasses and coffee cups...
- Single use or individual glasses, cups, utensils and cups sold in packages.

- Prevost By-Law
779

...Banning certain objects is the first step towards our central objectives of reduction at source. Reducing at the source means consuming less, yes, but it also means avoiding sending certain materials to our sorting centers and our landfills, which are overflowing throughout the province...This is also why we have chosen a more elaborate list of objects than the one announced... by the federal government”, - Mathieu Traversy, Mayor of [Terrebonne](#).



WHAT IS NEEDED?

RESEARCH

Tangible evidence of consumer transition.

ABSTRACT THINKING

To be effective, people need more choice specifically dedicated to reducing plastic waste.

DESIGN

Promotion and enforcement from the right levels of government. Fines issued to help fund waste reduction practices.

RESEARCH FROM ECOTANK



Brampton uses thousands of jugs a year for all their vehicles vs the cheaper eco-friendlier bulk alternative.



9,187,217 Registered Vehicles in Ontario as of 2022



Due to the methanol contaminating the plastic, recycling jugs becomes too costly and doesn't happen.

2X

If consumers only purchase 2 jugs of washer fluid a year, that's 18+ million jugs in landfills or the environment per year across Ontario.



Mississauga Rd & Steeles

TANGIBLE NUMBERS FROM ECOTANK OPERATIONS*

263.2K

Liters of Washer Fluid Sold

69,600

Number of Jugs Diverted
From Landfills

15.3K

Kilograms of Plastic
Reduced from the waste cycle.



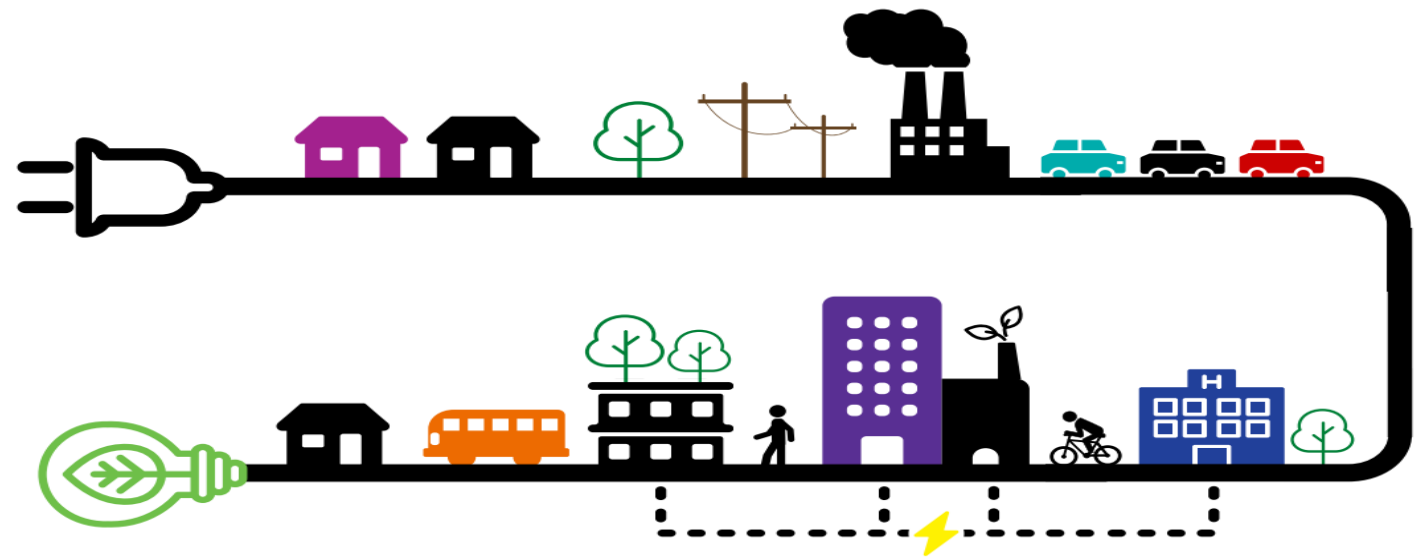
EcoTank



*Data as of 01-18-2024

DIVERSION PROOF BRAMPTON LOCATIONS

Husky – Mississauga & Steeles
Petro Canada – 471 Main St South
- 5 Ace Drive



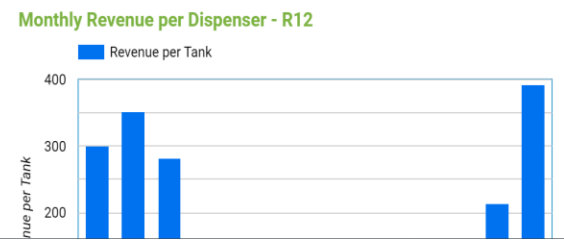
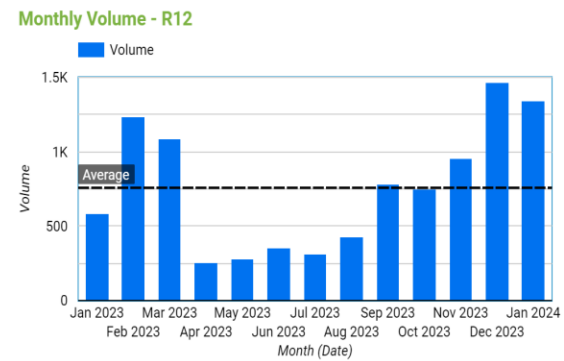
ECSA

Customer: Unipetro Group, Suncor En... (2) | Location: Husky Mississauga Rd, 5 A... (3)

Volume 9.8K ↑ 240.3%	Avg Txn Volume 3.1 ↑ 12.5%	Average Daily Volume 3.4 ↑ 51.4%	Annual Volume 1.2K ↑ 23.5%	Volume 12.8K All Time	Dispensers 12 Current	Locations 3 Current	Customer 2 Current
All Dispensers		Average per Dispenser					

Volume by Dispenser - R12

Dispensers	Location	Site #	Pump ID	Txns	Volume	
1.	612/2022	Husky Mississauga Rd	-	587	1,815.03	
2.	602/2022	Husky Mississauga Rd	-	487	1,439.34	
3.	613/2022	Husky Mississauga Rd	-	333	1,077.22	
4.	603/2022	Husky Mississauga Rd	-	321	973.2	
5.	964/2022	5 Ace Drive	10469	Pump 5/6	308	949.57
6.	992/2022	5 Ace Drive	10469	Pump 11/12	273	901.56
7.	606/2022	Husky Mississauga Rd	-	303	886.22	
8.	1005/2022	5 Ace Drive	10469	Pump 3/4	216	693.66
9.	636/2022	Husky Mississauga Rd	-	164	501.89	
10.	598/2022	471 Main Street South	1487	Pump 3/4	101	280.86
11.	601/2021	471 Main Street South	1487	Pump 7/8	76	217.3
12.	575/2021	471 Main Street South	1487	Pump Diesel	30	89.46



Acceleration is needed to reduce the cost of climate change inaction, and fully realize the economic, social and environmental opportunities of this transition.

- Brampton CEERP

GHG contributors include human-created waste products, industrial and manufacturing processes and byproducts

- Brampton CEERP on the reduction of GHG emissions

The updated Growth Plan encourages the development of **official plan policies** that encourage energy conservation and efficiency, **integrated waste management**, renewable energy, alternative energy, and district energy systems.

- Growth Plan for the Greater Golden Horseshoe

1

Create a more comprehensive “Single Use” Plastic By-Law for the community.

2

Like the City of Prévost, create incentive for citizens to switch.

5

Provide a “phase in” period in which retailers may sell targeted plastics so long as they provide a bulk alternative if available.

3

Initiate a profound shift towards reducing single-use items at the source.

6

Listen to merchants and support them in the transition by proposing concrete solutions and by making owners aware of the impact of the actions implemented.

4

Select single-use objects that consumers can do without in their daily lives and **for which alternatives exist.**

7

Levy fines for any uncooperative retailer or business not providing **readily available alternatives** alongside plastic options. Fines can contribute to other Eco Initiatives.



SUMMARY

Creating an expansive Single Use Plastic By-Law for the City of Brampton, targeting items beyond the minimum set out by the Federal government will put the City ahead of its peers in creating a sustainable and eco-friendly community. Expanding its Waste Diversion Strategies and improving on its environmental goals.



EcoTank



THANK YOU

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EcoTank Canada is a company built on the promise to eliminate plastic waste from our landfills, waterways, and parklands. In just a few short years, EcoTank has eliminated 75,000 plastic washer fluid jugs from entering the trash cycle from BC to Nova Scotia and has partnered with numerous environmental groups to continue growing our mission.

Our niche but effective idea of allowing the consumer to dispense their washer fluid in lieu of plastic jugs has turned into a movement across Canada as we continue to add more sites every month with major fuel brands as well as private business owners.

It is now our goal to spread this message and partner with local governments eager to make a change from the status quo and go beyond what is expected to start making a real sustainable change in how simple changes to everyday consumerism can create an overwhelming impact in protecting our environment.

Our Environmental Partners

